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(54) **Inter-radio access technology measurement system and method**

(57) A macrotechnology-based system including a processor (582) configured to promote macrotechnology-based transmission to a multi-mode user equipment (10) of a signal having a plurality of data portions (110) and a plurality of gaps (120) between ones of the plurality of data portions (110), wherein at least one of the gaps (120) is used by the multi-mode user equipment (10) for measurement of a first signal strength of a first macro-

technology-based network (30), wherein the processor (582) is further configured to increase the size of a previously existing gap to form an increased-size gap, wherein the previously existing gap is in the plurality of gaps, and wherein the increased-size gap allows for both the first signal strength measurement and a second signal strength measurement of a second microtechnology-based network (20).

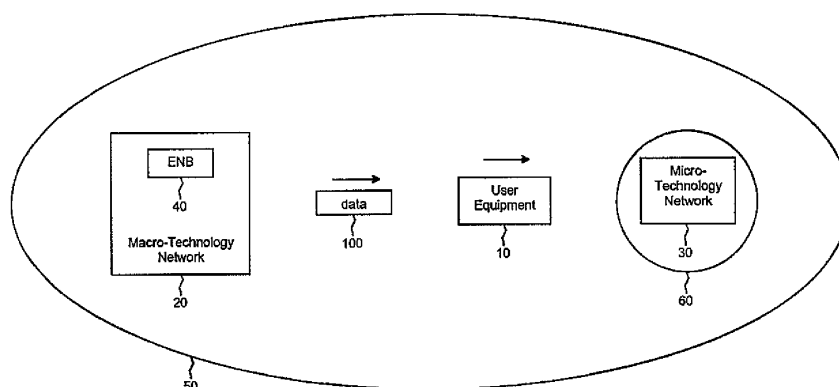


Figure 1

**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 10 15 8837

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2004/025983 A (NOKIA CORP [FI]; TOELLI ANTTI [ES]; SCHWARZ UWE [FI]; HAKALIN PETTERI) 25 March 2004 (2004-03-25) * page 1, line 5 - line 7 * * page 2, line 20 - page 4, line 15 * * page 4, line 31 - page 5, line 6 * * page 6, line 14 - page 7, line 27 * * page 8, line 21 - page 9, line 21 * * page 12, line 17 - line 25 * * claims 1-4; figure 2 * -----	3,4	INV. H04W24/10 H04W36/04 H04B17/00
Y	NOKIA SIEMENS NETWORKS ET AL: "Measurement Gap Creation" 3GPP DRAFT; R2-073397 MEASUREMENT GAP CREATION, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Athens, Greece; 20070815, 15 August 2007 (2007-08-15), XP050136102 [retrieved on 2007-08-15] * the whole document * ----- -/--	3,4	TECHNICAL FIELDS SEARCHED (IPC) H04W H04B
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out. Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search Munich		Date of completion of the search 19 August 2010	Examiner Donnini, Carlo Luca
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04E07)



PARTIAL EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS SEARCHED (IPC)



**INCOMPLETE SEARCH
SHEET C**

Application Number
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Claim(s) completely searchable:
3, 4

Claim(s) not searched:
1, 2, 5-8

Reason for the limitation of the search:

The search has been restricted to the subject-matter indicated by the applicant in his letter of 26 July 2010 filed in reply to the invitation pursuant to Rule 62a(1), i.e. claims 3 and 4.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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